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IDENTIFIERS	Suffixes

ABSTRACT

This module on medical terminology (suffixes) is one of 17 modules designed for individualized instruction in health occupations education programs at both the secondary and postsecondary levels. This module consists of an introduction to the module topic, a list of resources needed, and three learning experiences. The first two learning experiences each contain an overview, an objective (e.g., given information concerning the commonly used suffixes, identify the suffix with its proper meaning), and two activities (e.g., "Seek and Find" 33 suffixes; review the list of common suffixes). Information sheets (such as word lists and puzzles) are provided for each activity. To provide feedback to students, a self-check with model answers is given. The third learning experience contains an overview, terminal objective (in an actual school situation, use the proper suffix related to each unit studied), and a student performance assessment form for use by the instructor to rate student mastery of the entire module. (KC)

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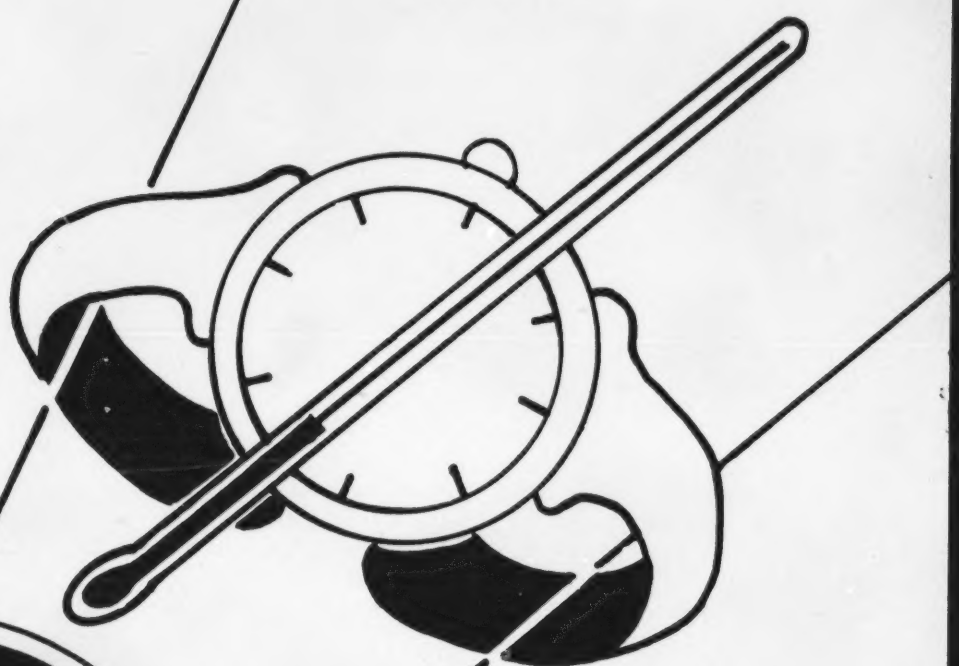
HEALTH OCCUPATIONS EDUCATION MODULE



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MEDICAL TERMINOLOGY: SUFFIXES

HEALTH OCCUPATIONS MODULE

designed for the purpose
of individualizing instruction
in the health related occupations
program.

Prepared by...

Temple University of the Commonwealth System of Higher Education

Philadelphia, Pennsylvania

DEPARTMENT OF VOCATIONAL EDUCATION

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BUREAU OF VOCATIONAL EDUCATION

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There are no prerequisites for this module.

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INTRODUCTION

Nonmedical persons are often confused by terms used by the medical profession to describe symptoms, illnesses and operations. A study of the medical vocabulary will show that it is made up largely of many variations and combinations of prefixes, suffixes and root words.

Knowledge of medical terminology is required of all persons in a Health Occupations Cluster. You need familiarity with the terminology even to find the term in a medical dictionary.

The following learning experiences will enable you to develop competence in the use of many common medical terms.

This module puts its emphasis upon <u>suffixes</u>.

RESOURCES

Listed below are the outside resources which supplement those contained within the module. Check with your instructor to determine the availability and location of the resources.

1. Fisher, J. Patrick. Basic Medical Terminology. Indianapolis, Indiana: The Bobbs-Merrill Publishing Company, 1975. Includes cassette tapes.

2. An actual school situation in which you use the proper terminology related to each unit studied.

3. An instructor to assess your competency in establishing criteria for student performance in the use of this module.

LEARNING EXPERIENCE I

OVERVIEW

ENABLING OBJECTIVE

Given information concerning the commonly used suffixes, identify the suffix with its proper meaning.

ACTIVITY 1

Study the list of suffixes and their meanings.

ACTIVITY 2

"Seek and Find" thirty-three suffixes.

FEEDBACK

"Self-Check" Matching Test; Model Answers.

(Activity 1)

A word-ending used to change the meaning of the root is the suffix.

The suffix generally describes a condition, a procedure, a symptom or an action related to the root word. For example, "-ia" in hyperglycemia means "condition or state of" (blood sugar).

Study the following list of suffixes and their meanings.

SUFFIX	MEANING
-able	capable of
-al	pertaining to
-algia	pain
-ar	pertaining to
-ase	enzyme
-asis	condition
-cele	swelling
-cide	causing death
-cyst	bladder, bag
-cyte	cell
-ectasis	expansion, dilation
-ectomy	surgical removal
-emia	blood
-esis	condition
-esthesia	feeling, sensation
-fuge	driving away
-gen	origin, kind
-gram	picture, tracing
-graph	instrument for recording

SUFFIX	MEANING
-iasis	condition of
-ic	pertaining to
-itis	inflammation of
-logy, -ology	study of, science of
-oma	tumor
-osis	condition, state of disease
-ostomy	artificial opening
-otomy	incision, cut into
-ous	full of
-pathy	disease
-penia	lack of
-phagia, -phagy, -phage	eating
-plasty	repair
-pnea	air
-rrhaphy	sew up
-scopy	to view, inspect
-sis	condition
-spasm	contraction
-stat	stop
-stomy	artificial opening
-therapy	treatment
-tomy	incision of, cut
-trophy	nourishment
-uria	urine

(Activity 2)

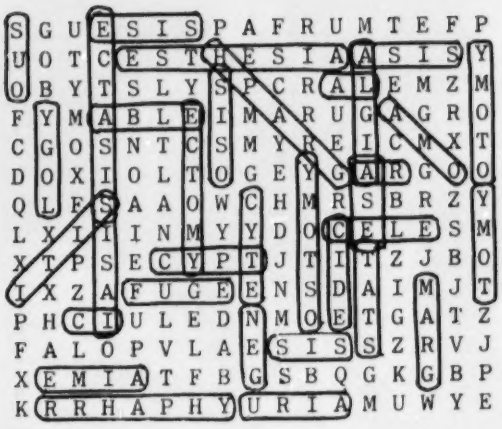
"SEEK AND FIND"

Thirty-three (33) suffixes appear forward, backward, up, down and diagonally in the block of letters. Find each one and box it in. Some medical terms may overlap others.

-ABLE
-AL
-ALGIA
-AR
-ASE
-ASIS
-CELE
-CIDE
-CYPT
-CYTE
-ECTASIS
-ECTOMY
-EMIA
-ESIS
-ESTHESIA
-FUGE
-GEN
-GRAM
-GRAPH
-IASIS
-IC
-ITIS
-LOGY
-OMA
-OSIS
-OSTOMY
-OTOMY
-OUS
-RRHAPHY
-SIS
-STAT
-TOMY
-URIA

S G U E S I S P A F R U M T E F P
U O T C E S T H E S I A A S I S Y
O B Y T S L Y S P C R A L E M Z M
F Y M A B L E I M A R U G A G R O
C G O S N T C S M Y R E I C M X T
D O X I O L T O G E Y G A R G O O
Q L F S A A O W C H M R S B R Z Y
L X I I I N M Y Y D O C E L E S M
X T P S E C Y P T J T I T Z J B O
I X Z A F U G E E N S D A I M J T
P H C I U L E D N M O E T G A T Z
F A L O P V L A E S I S S Z R V J
X E M I A T F B G S B Q G K G B P
K R R H A P H Y U R I A M U W Y E

FEEDBACK: MODEL ANSWERS


S G U E S I S P A F R U M T E F P
S O T C E S T H E S I A A S I S Y
O B Y T S L Y S P C R A L E M Z M
F Y M A B L E I M A R U G A G R O
C G O S N T C S M Y R E I C M X T
D O X I O L T O G E Y G A R G O O
Q L F S A A O W C H M R S B R Z Y
L X T I I N M Y Y D O C E L E S M
X T P S E C Y P T J T I T Z J B O
I X Z A F U G E E N S D A I M J T
P H C I U L E D N M O E T G A T Z
F A L O P V L A E S I S S Z R V J
X E M I A T F B G S B Q G K G B P
K R R H A P H Y U R I A M U W Y E

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"SELF-CHECK" MATCHING TEST

Given a list of various suffixes and meanings, match the proper suffix with its correct meaning.

Write the letter of the correct meaning in front of the number of the suffix to be defined.

SUFFIX	MEANING
_____ 1. -trophy	A. Contraction
_____ 2. -gram	B. Full of
_____ 3. -itis	C. Artificial opening
_____ 4. -oma	D. Study of, science of
_____ 5. -pathy	E. Nourishment
_____ 6. -emia	F. Enzyme
_____ 7. -spasm	G. To view, inspect
_____ 8. -ostomy	H. Tumor
_____ 9. -ous	I. Treatment
_____ 10. -otomy	J. Picture, tracing
_____ 11. -cyte	K. Inflammation of
_____ 12. -ology	L. Blood
_____ 13. -scopy	M. Expansion, dilation
_____ 14. -ase	N. Cell
_____ 15. -therapy	O. Incision of, Cut
	P. Disease

FEEDBACK: MODEL ANSWERS

E 1.

J 2.

K 3.

H 4.

P 5.

L 6.

A 7.

C 8.

B 9.

O 10.

N 11.

D 12.

G 13.

F 14.

I 15.

LEARNING EXPERIENCE II

OVERVIEW

ENABLING OBJECTIVE

After completing the required reading, use some common suffixes to form medical terms. Identify these terms with their proper meanings.

ACTIVITY 1

Review the list of common suffixes.

ACTIVITY 2

Practice writing the suffix, its meaning, an example of its use; pronounce the suffix.

FEEDBACK

Evaluate your competency by comparing your completed "Self-Check" with the "Model Answers."

(Activity 1)

Review the list of common suffixes and their meanings.

(Activity 2)

Practice writing the suffix, its meaning, an example of its use; pronounce the suffix.

SUFFIX	MEANING OF SUFFIX	EXAMPLE
1. -itis	inflammation	1. carditis
2. -ology	study of, science of	2. cardiology
3. -ac	resembling, pertaining to	3. cardiac
4. -graph	an instrument for recording	4. cardiograph
5. -gram	something recorded, a picture	5. cardiogram
6. -megaly	large, enlargement	6. cardiomegaly
7. -spasm	contraction	7. cardiospasm
8. -ologist	specialist	8. cardiologist
9. -pathy	disease	9. cardiopathy
10. -stat	stop	10. hemostat

PRACTICE SHEET

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SUFFIX	MEANING OF SUFFIX	EXAMPLE
11. -oma	tumor or swelling	11. hematoma
12. -crit	separate	12. hematocrit
13. -therapy	treatment	13. hemotherapy
14. -olysis	destroy, decrease	14. hemolysis
15. -cyte	cell	15. hemocyte
16. -emesis	vomit	16. hematemesis
17. -ectomy	removal, excision	17. thrombectomy
18. -cytopenia	cell decrease	18. thrombocytopenia
19. -osis	process, condition, disease	19. dermatosis
20. -scope	view, examine	20. opthalmoscope

PRACTICE SHEET

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FEEDBACK: SELF-CHECK

Fill in the blanks.

SUFFIX	MEANING OF SUFFIX	EXAMPLE
1. -graph	_____	cardiograph
2. -scope	_____	opthalmoscope
3. -crit	separate	_____
4. -itis	_____	carditis
5. -cyte	_____	hemocyte
6. -oma	_____	hematoma
7. -ologist	_____	cardiologist
8. -megaly	_____	cardiomegaly
9. -pathy	_____	cardiopathy
10. -ectomy	_____	thrombectomy

FEEDBACK: MODEL ANSWERS

SUFFIX	MEANING OF SUFFIX	EXAMPLE
1. -graph	an instrument for recording	cardiograph
2. -scope	view, examine	opthalmoscope
3. -crit	separate	hematocrit
4. -itis	inflammation	carditis
5. -cyte	cell	hemocyte
6. -oma	tumor or swelling	hematoma
7. -ologist	specialist	cardiologist
8. -megaly	enlargement or exaggerated size	cardiomegaly
9. -pathy	disease	cardiopathy
10. -ectomy	removal, excision	thrombectomy

LEARNING EXPERIENCE III

OVERVIEW

TERMINAL OBJECTIVE

In an actual school situation, use the proper suffix related to each unit studied. Your performance will be assessed by your instructor, using the "Student Performance Assessment Form."

Based upon the criteria specified in this assessment instrument, your instructor will determine whether you are competent in using suffixes properly.

FEEDBACK

When you are satisfied that you have mastered the suffixes and their meanings, raise your hand to notify your instructor that you are ready to demonstrate your skill.

The instructor will evaluate and check each step on the "Student Performance Assessment Form."

STUDENT PERFORMANCE ASSESSMENT FORM

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MEDICAL TERMINOLOGY - SUFFIXES

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	Satisfactory	Unsatisfactory
1. Pronounced the suffix correctly at least 7 out of 10 times.		
2. Spelled the suffix accurately at least 80% of the time.		
3. Defined the meaning of the prefix properly at least 80% of the time.		

Instructor's Signature: _____

Instructor's Comments: